
*** TX REPORT ***

TRANSMISSION OK

TX/RX NO	0437	
CONNECTION TEL		7751434
CONNECTION ID	TOWN OF CONKLIN	
ST. TIME	08/15 11:22	
USAGE T	05'21	
PGS. SENT	12	
RESULT	OK	

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 260A
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-0927 • FAX: (518) 457-8989



FAX TRANSMISSION ROUTING FORM

TO: DENNIS SHIMER, Town of Conklin
TELEX NO. (607) 775-1434
FROM: JOHN STRANG, NYSDOC
DATE: AUGUST 15, 2000

We are transmitting a total of 12 pages, including this cover page. If you do not receive all the pages, please contact the phone no. (518) 457-0927.

Notes/Messages/Instructions: _____

Dennis, the 3 NYSDOC review reports all conclude
that the Remedy at Conklin Dumps is effective.
The EPA 5-yr Review summarizes the site in Section IV-
the EPA determined that the remedy continues to provide
adequate protection of public health and the environment.

Call w/any questions.

John Strang
(518) 457-0927



Inactive Hazardous Waste Site Operations and Maintenance Review Report

Site Name: Conklin Dumps

Class: 4

Number: 704013

O&M Funding Source: ☐ State Superfund ☐ Federal Superfund ☒ Municipal ☐ Responsible Party

O&M Information: O&M Start: 1/96 End: Annual Cost: \$ ☐ Estimated

☐ Drum Removal
 ☐ Soil Removal
 ☐ Tank Removal
☒ Cap/Cover
 ☐ Containment Structure
 ☐ Fence/Security
☐ Groundwater Recovery/Treatment
 ☒ Leachate Collection/Treatment
 ☐ Vapor Extraction/Treatment
☐ Air Sparging/Stripper System
 ☐ Treatment/Filtration Plant/System
 ☐ Potable Water Supply/System
☐ Other:

Institutional Controls: ☐ Deed Restriction ☐ Discharge Permit ☐ Department of Health Sampling
☐ Other:

Reports: 1,2,3 & 4 Quarter Conklin Landfill MW sampling & analysis reports receive by this office.

Inspection: Inspection made by this office 5/27/99:

Sampling:

Other:

Remedy Effective? ☒ Yes ☐ No:

ROD Compliance? ☒ Yes ☐ No:

Consent Order Compliance? ☐ Yes

Other:

Recommendations: Continue to monitor wells and collect & treat leachate. Continue to maintain landfill cap.

ROD/Consent Order Modifications? ☐ No ☐ Yes (per above) Reclassify the Site? ☐ No ☐ Yes → Class:

Comments: Total leachate collected in 1998 was 14,000 Gal. It was sent to the Binghamton - Johnson City Sewage Treatment Plant. Leachate samples were collected by the B.J.C. STP as part of their pretreatment program. The tank is half full now. No leachate seeps observed during my inspection. The sod cover appears to well maintained. No erosion noted. Fences and gates in tact and locked.

Project Manager:

Signature _____

8 Takim

Name _____

Region or Bureau

Telephone

Reviewer:

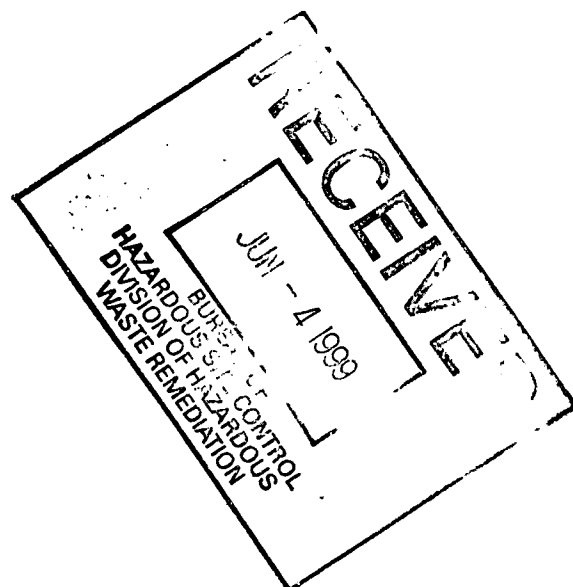
Signature _____

Date _____

Name

Region or Bureau

Telephone _____



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Site Operations and Maintenance Review Report

Form Date 96.10.01

Site Name: Conklin Dumps		Class: 4	Number: 7-04-013
O&M Funding Source: <input type="checkbox"/> State Superfund <input type="checkbox"/> Federal Superfund <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Responsible Party			
O&M Information: O&M Start: 9601		End:	Annual Cost: \$ <input type="checkbox"/> Estimated
Interim Remedial Measures/Operable Units in O&M Phase:			
<input type="checkbox"/> Drum Removal <input type="checkbox"/> Soil Removal <input type="checkbox"/> Tank Removal <input checked="" type="checkbox"/> Cap/Cover <input type="checkbox"/> Containment Structure <input type="checkbox"/> Fence/Security <input type="checkbox"/> Groundwater Recovery/Treatment <input checked="" type="checkbox"/> Leachate Collection/Disch. Permit <input type="checkbox"/> Vapor Extraction/Treatment <input type="checkbox"/> Air Sparging/Stripper System <input type="checkbox"/> Treatment/Filtration Plant/System <input type="checkbox"/> Potable Water Supply/System <input checked="" type="checkbox"/> Other: Long-Term GW Monitoring			
Institutional Controls: <input type="checkbox"/> Deed Restriction <input checked="" type="checkbox"/> Discharge Permit <input type="checkbox"/> Department of Health Sampling			
<input type="checkbox"/> Other:			
O&M Review Information:			
Reports: <u>Attached is the USEPA Five Year Review Report and the Region's 03/09/98 inspection.</u>			
Inspection: <u>03/09/98 by the Region.</u>			
Sampling: <u>Long-term monitoring was done 4/03/97 and 11/14/97.</u>			
Other: <u>At 3/9/98 inspection, the storage tank had 6000 gallons of leachate.</u>			
Conclusions:			
Remedy Effective? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: <u>21,000 gallons of leachate have been collected and sent for treatment to the Binghamton-Johnson City Joint Sewage System (12,500 gals in April 1997 and 8500 gallons in Nov. 1997). Several modifications have been made to the leachate pumping and storage system in 1997.</u>			
ROD Compliance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: _____			
Consent Order Compliance? <input type="checkbox"/> Yes <input type="checkbox"/> No: _____			
Other: <u>Town has maintained the site and has scheduled repairs to the wells in Spring 1998.</u>			
Recommendations: <u>Continue with quarterly monitoring for 1998 to establish a reasonable number of data points..</u>			
Next Review Report due 03/99.			
ROD/Consent Order Modifications? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (per above) Reclassify the Site? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes → Class:			
Comments: <u>The Town Water Department Supervisor, Dennis Shimer, has the Town effectively managing the Landfill and the leachate collection system.</u>			
Project Manager: <u>John Strang</u> Signature		Reviewer: <u>Gerald J. Rider, Jr.</u> Signature	
<u>3/26/98</u> Date		<u>3/31/98</u> Date	
John R. Strang Haz. Site Control (518) 457-0927		Gerald J. Rider, Jr. Haz. Site Control (518) 457-0927	
Name Region or Bureau Telephone		Name Region or Bureau Telephone	



FIVE-YEAR REVIEW REPORT
CONKLIN DUMPS SUPERFUND SITE
TOWN OF CONKLIN, BROOME COUNTY, NEW YORK

Prepared By:
U.S. Environmental Protection Agency
Region II
New York, New York

December 1997

**U.S. Environmental Protection Agency
Region II
Emergency and Remedial Response Division
Five-Year Review (Type I)**

**Conklin Dumps Superfund Site
Town of Conklin, Broome County, New York**

I. INTRODUCTION

The U.S. Environmental Protection Agency (EPA) Region II conducted this statutory five-year review pursuant to Section 121 (c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), Section 300.430 (f) (4) (ii) of the National Oil and Hazardous Substances Pollution Contingency Plan and OSWER Directives 9355.7-02 (1991), 9355.7-02A (1994) and 9355.7-03A (1995). The purpose of a five-year review is to ensure that a remedial action remains protective of public health and the environment and is functioning as designed. This document will become part of the site's Administrative Record file. This review (Type I) is applicable to a site at which remedial action activities have been completed. Post remedial environmental monitoring activities, on-going at the site for the past 13 months, have documented the effectiveness of the remedy.

II. SITE BACKGROUND

The Conklin Dumps site originally consisted of two landfilled areas totaling about 37 acres, referred to as the Upper and Lower Landfills. The Lower Landfill, which was operated between 1964 and 1969, contained approximately 48,000 cubic yards of wastes before it was excavated and consolidated with the Upper Landfill. The Upper Landfill, which originally contained approximately 55,000 cubic yards of waste, was operated from 1969 until 1975, when a closure order was issued by the New York State Department of Environmental Conservation (NYSDEC). The property is currently owned by the Town of Conklin.

A two-phase hydrogeologic investigation was completed by O'Brien and Gere Engineers for the Broome County Industrial Development Agency in 1984 and 1985; additional field work was performed in 1986. In June 1986, the site was nominated for inclusion on the National Priorities List. In June 1987, a Consent Order was signed between the Town of Conklin and NYSDEC, which covered the performance of a remedial investigation and feasibility study (RI/FS) and the remedial design (RD)/remedial action (RA).

The RI, which was completed in December 1988, indicated limited ground-water contamination in the immediate vicinity of the Upper Landfill. Confirmatory sampling, performed in June 1990, confirmed the RI findings and provided additional validated data.

An FS report was completed in January 1991.

EPA, in consultation with NYSDEC, issued a Proposed Plan on February 3, 1991. A public comment period began on February 4, 1991 and extended until March 6, 1991. A public meeting was held at the Conklin Town Hall on February 25, 1991. A ROD, which was signed by the EPA Regional Administrator on March 29, 1991, called for, among other things, capping of the Upper Landfill and the Lower Landfill in-place, leachate collection, either on- or off-site treatment of the leachate, and long-term monitoring.

During preliminary design activities associated with the selected remedy, it was determined that the construction of a leachate collection trench and cap at the Lower Landfill would present significant engineering difficulties due to the proximity of an adjacent wetland and railroad tracks. In order to eliminate the leachate seeps at the Lower Landfill, it would be necessary to install a leachate collection system below the water table. A leachate collection system installed below the water table, however, would collect vast amounts of uncontaminated ground water and could adversely impact the adjacent wetland by dewatering a portion of it, unless hydraulic barriers were installed (which in itself could adversely impact the wetland). In addition, installing a cap on the Lower Landfill could negatively impact the adjacent wetland in that it would encroach on the wetland. Due to these technical feasibility and environmental concerns, the selected remedy was modified by an Explanation of Significant Differences (ESD) in September 1992. The modified remedy consists of the excavation of the Lower Landfill, consolidation of the excavated Lower Landfill contents onto the Upper Landfill, capping of the Upper Landfill, construction of a leachate collection system, and either on- or off-site treatment of the leachate.

Lower Landfill

The RD associated with the excavation of the Lower Landfill and consolidation of the excavated wastes onto the Upper Landfill commenced in April 1991 and was completed in September 1992.

The excavation of the Lower Landfill began in January 1993. The composition of the wastes that were encountered during the excavation was primarily soil and decomposed organic matter intermixed with scrap metal, bottles and fabric from a local tent manufacturer. Although four 55 gallon drums were encountered, they were found to be empty or contained non-hazardous debris, and were crushed and disposed of in the Upper Landfill.

The waste that was excavated from the Lower Landfill was deposited on the Upper Landfill in approximately one-foot lifts. This effort was completed in July 1993.

A *Remedial Action Report*, documenting the completion of the excavation of the Lower Landfill was approved on September 29, 1993.

Upper Landfill

The RD associated with the capping of the consolidated wastes on the Upper Landfill and the construction of a leachate collection, storage, and pre-treatment system commenced in April 1991 and was completed in July 1993.

The compaction and regrading of the excavated waste mass, installation of a leachate recovery system, construction of a final cover system for the Upper Landfill, and the installation of an eight-foot high chain linked fence around the Upper Landfill to restrict access, was performed from October 1993 to November 1994.

Leachate Storage and Pre-Treatment System

In June 1995, the Binghamton-Johnson City Joint Sewer Board approved the Town of Conklin's application for discharge of the leachate from the Upper Landfill into the sanitary sewer system for treatment at the Binghamton-Johnson City Joint Sewage Treatment Plant in Vestal, New York. This approval required that the Town obtain an industrial wastewater discharge permit and temporarily store the leachate in an on-site storage tank while it is sampled and analyzed to determine if it meets the discharge requirements of the permit.

The construction of a leachate storage, pre-treatment system, and pipeline to the sewer interceptor, which began in November 1995, included the installation of a 30,000 gallon horizontal steel storage tank with a secondary containment dike, installation of a leachate pre-treatment system, consisting of a series of bag filters to remove solids, and installation of a pipe to discharge the leachate from the storage and pre-treatment system to the sanitary sewer system. Although the work was completed in January 1996, a final inspection could not be conducted until after the snow melt in June 1996.

A *Remedial Action Report*, documenting the completion of the construction of the final cover system and leachate collection system for the Upper Landfill, leachate collection tank installation, and construction of a pipeline to the sewer interceptor was approved on July 15, 1996.

A *Superfund Site Close-Out Report* for the site was approved on September 13, 1996.

The site was deleted from the National Priorities List on May 2, 1997.

III. REMEDIAL OBJECTIVES AND MONITORING RESULTS

The Town of Conklin, in October 1996, began implementation of a post-remedial environmental monitoring program to evaluate the effectiveness of the RA. The results from this investigation indicate that the remedy remains effective. The cap was inspected on April 3, 1997 and the leachate and groundwater were sampled on April 3, 1997 and November 14, 1997.

To date, approximately 21,000 gallons of leachate (12,500 gallons in April 1997 and 8,500 gallons in November 1997) have been sent for treatment at the Binghamton-Johnson City sewage treatment plant in Vestal, New York. Analysis of the leachate showed that there were no detectable levels of chloroethane, 1,2-dichloropropane, and xylene, the principal contaminants of concern at the site. In addition, all Conventional Analytical Parameters (wet chemical analysis) were within specifications required for transfer to the sewage treatment plant.

Groundwater sampling results showed exceedances of New York State Maximum Contaminant Levels for lead, iron, magnesium, and manganese. These compounds, however, are not site related (they are present in background samples). Also, surface water samples collected from Carlin Creek adjacent to the northeastern portion of the Upper Landfill were free of any site-related contaminants.

While it is likely that the multi-layered cap has effectively reduced infiltration, not enough data has been collected to date to confirm this.

The following documents, data, and information were also reviewed in completing the five-year review:

- Historical and analytical data;
- ROD;
- ESD;
- Remedial Action Report;
- Close-Out Report;
- Post-Remedial Environmental Monitoring Program Report;
- Operation and Maintenance Plan; and
- U.S. EPA Guidance for conducting five-year reviews and other guidance and regulations to determine if any new applicable or relevant and appropriate requirements (ARARs) relating to the protectiveness of the remedy have been developed since EPA issued the ROD.

The ROD and ESD provided for exposure protection through the excavation of the Lower Landfill, consolidation of the excavated Lower Landfill contents onto the Upper Landfill, capping of the Upper Landfill, construction of a leachate collection system, and treatment of the leachate. The ARARs that were used at that time of the ROD and ESD are still relevant to this site.

IV. RESULTS OF THE FIVE-YEAR REVIEW AND STATEMENT OF PROTECTIVENESS

Since the completion of the RA, the following have been achieved:

- the leachate collection, filtration (there is pretreatment of the leachate), storage, and transfer system is operating properly;
- the soil and vegetative covers are intact and in good condition;
 - the fence around the site is intact and in good repair;
 - the nine groundwater monitoring wells are functional;
 - there is no evidence of trespassing, vandalism, or damage to the cap, monitoring wells, fence, or gas vents has occurred; and
 - there has been no detection of volatile organic compounds in the leachate, monitoring wells or surface waters.

In summary, based upon the above, it has been determined that the implemented remedy continues to provide adequate protection of public health and the environment.

V. NEXT FIVE-YEAR REVIEW

In accordance with 40 CFR 300.430 (f) (4) (ii), the lead agency shall review the RA for the site no less often than every five years. At this site, the contract award date of November 10, 1992 is considered EPA's acceptance of the initiation of the RA.

Since hazardous substances, pollutants or contaminants remain at the Conklin Dumps site which do not allow for unlimited use or unrestricted exposure, EPA will conduct another five-year review on or before November 10, 2002.

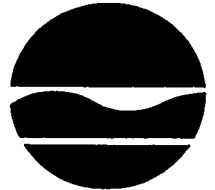
VI. CERTIFICATION

Based upon a review of the ROD, ESD, Remedial Action Report, Close-Out Report, operation and maintenance manual, and Post-Remedial Environmental Monitoring Program Report and an inspection of the site, it has been concluded that the remedy at the Conklin Dumps site was implemented in accordance with the remedy selected in the ROD, as modified by the ESD, and that the remedy set forth in the ROD, as modified by the ESD, is fully protective of human health and the environment.

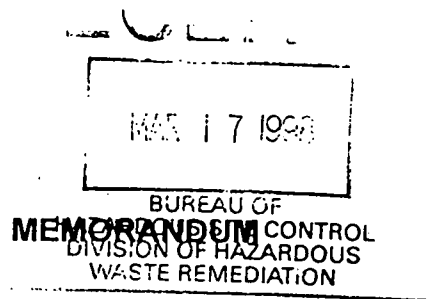
Richard L. Caspe, P.E., Director
Emergency and Remedial Response Division

Date

New York State Department of Environmental Conservation
615 Erie Boulevard West
Syracuse, NY 13204-2400
Telephone: (315)-426-7551



John P. Cahill
Commissioner



TO: John Strang
FROM: John May
SUBJECT: Town of Conklin Landfill O&M Inspection
DATE: 3/9/98

On 3/9/98 I met with Dennis Shimer, Supervisor, Town of Conklin Water Dept., at the Town Hall. We discussed the maintenance and modifications performed by the Town and planned in the near future. We then made a field visit to the site.

The fence and gates appear to be in good working order. No work has been done on them in the last year.

MW #3 has been located. It was found to be a flush capped well that had been buried along the Broome Corporate Parkway. Several of the other monitoring wells require maintenance as pointed out in the 4TH Quarter Monitoring Report. These repairs, new concrete surface seals and modifications to allow the wells to be locked are planned for later this month. Mr. Shimer agreed to contact me at that time.

The depressions at RW 1&2 have not changed. I observed no other problems with the cap system. The grass had been mowed last year. No erosion was noted. It was raining during our inspection and drainage system appeared to be functioning as planned. A saw no leachate out breaks.

Several modifications have been made to the leachate pumping and storage system. The pump in the pump station is now sitting on the bottom not attached to the guide system. The back flow valve has been removed to allow the line to empty back into the station and not freeze up in the winter. A flex able hose was run from the leachate storage tank to the discharge building to accommodate freeze thaw movement of the tank support. 6000 Gal. of leachate were in the tank today.

I will contact you with a report after my next inspection.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation

Inactive Hazardous Waste Site Operations and Maintenance Review Report

Form Date 96.10.01

Site Name: Conklin Dumps		Class: 4	Number: 7-04-013																				
O&M Funding Source: <input type="checkbox"/> State Superfund <input type="checkbox"/> Federal Superfund <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Responsible Party																							
O&M Information: O&M Start: 9601 End: Annual Cost: \$ <input type="checkbox"/> Estimated																							
Interim Remedial Measures/Operable Units in O&M Phase:																							
<input type="checkbox"/> Drum Removal <input type="checkbox"/> Soil Removal <input type="checkbox"/> Tank Removal <input checked="" type="checkbox"/> Cap/Cover <input type="checkbox"/> Containment Structure <input type="checkbox"/> Fence/Security <input type="checkbox"/> Groundwater Recovery/Treatment <input checked="" type="checkbox"/> Leachate Collection/Disch. Permit <input type="checkbox"/> Vapor Extraction/Treatment <input type="checkbox"/> Air Sparging/Stripper System <input type="checkbox"/> Treatment/Filtration Plant/System <input type="checkbox"/> Potable Water Supply/System <input checked="" type="checkbox"/> Other: Long-Term GW Monitoring																							
Institutional Controls: <input type="checkbox"/> Deed Restriction <input checked="" type="checkbox"/> Discharge Permit <input type="checkbox"/> Department of Health Sampling <input type="checkbox"/> Other:																							
O&M Review Information:																							
Reports: <u>DEC received the analytical results of the leachate prior to it being discharged to the municipal sewer system late in 1996.</u>																							
Inspection: <u>03/10/97 with the Region.</u>																							
Sampling: <u>The long-term monitoring program has not yet started.</u>																							
Other:																							
Conclusions:																							
Remedy Effective? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No: <u>Town of Conklin has released one batch of landfill leachate to the Binghamton-Johnson City Joint Sewage System. Site was in good shape. A couple of minor depressions to keep watch of.</u>																							
ROD Compliance? <input type="checkbox"/> Yes <input type="checkbox"/> No:																							
Consent Order Compliance? <input type="checkbox"/> Yes <input type="checkbox"/> No:																							
Other: <u>Looked like the site had been mowed once last year. Town understands it has the responsibility to maintain the Site.</u>																							
Recommendations: <u>The secondary containment for the leachate storage tank was full of water. Possibly from the rain and melted snow. The metal flaps that are to shed the water from the secondary containment tank had fallen in on the Northwest side. The secondary containment tank needs to be pumped out. Before the water is removed, a sample should be taken for confirmation that the water is rain water and not leachate.</u>																							
<u>The leachate holding tank was half full (15,000 gallons of a 30,000 gallon tank).</u>																							
ROD/Consent Order Modifications? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (per above) Reclassify the Site? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes → Class:																							
Comments: <u>At the inspection, we met the new Town Water Department Supervisor, Dennis Shimer. Mr. Shimer is now in charge of site O&M. We discussed the Town performing the first quarterly sampling this Spring.</u>																							
<div style="text-align: right; font-size: small;"> 20067 02 011 40611012 </div>																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Project Manager:</td> <td colspan="2">Reviewer:</td> </tr> <tr> <td colspan="2"> <u>John R. Strang</u> Signature </td> <td colspan="2"> <u>Gerald J. Rider, Jr.</u> Signature </td> </tr> <tr> <td colspan="2"> <u>John R. Strang</u> Name </td> <td colspan="2"> <u>Gerald J. Rider, Jr.</u> Name </td> </tr> <tr> <td colspan="2"> <u>Haz. Site Control</u> Region or Bureau </td> <td colspan="2"> <u>Haz. Site Control</u> Region or Bureau </td> </tr> <tr> <td colspan="2"> <u>(518) 457-0927</u> Telephone </td> <td colspan="2"> <u>(518) 457-0927</u> Telephone </td> </tr> </table>				Project Manager:		Reviewer:		<u>John R. Strang</u> Signature		<u>Gerald J. Rider, Jr.</u> Signature		<u>John R. Strang</u> Name		<u>Gerald J. Rider, Jr.</u> Name		<u>Haz. Site Control</u> Region or Bureau		<u>Haz. Site Control</u> Region or Bureau		<u>(518) 457-0927</u> Telephone		<u>(518) 457-0927</u> Telephone	
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File on eDOCs ☒ Yes _____ No _____
Site Name Corklin
Site No. 704013
County Broomfield
Town Corklin
Foltable ☒ Yes _____ No _____
File Name # 2000-08-05 PRR
Secured & eDOC _____